

PETROLEUM REFINERIES, INCLUDING CRACKING PLANTS, IN THE UNITED STATES, JANUARY 1, 1960

By C. E. Hennig

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CONTENTS

	<u>Page</u>
Summary.....	1
Crude-oil capacity.....	1
Cracked-and reformed-gasoline capacity.....	2
Definitions.....	3

TABLES

1. Petroleum refineries and cracking plants in the United States, January 1, 1930-60.....	4
2. Capacity of cracking and reforming plants in the United States, by type, January 1, 1941-60.....	4
3. Petroleum refineries and cracking plants in the United States, by States, January 1, 1960.....	5
4. Changes in crude-oil capacity during 1959, in the United States, by districts.....	6
5. Number and capacity of petroleum refineries in the United States, by districts, January 1, 1960.....	6
6. Capacity of cracking and reforming plants in the United States, by districts, January 1, 1960.....	6
7. Capacity of petroleum refineries and cracking plants in the United States, January 1, 1960.....	7

III

PETROLEUM REFINERIES, INCLUDING CRACKING PLANTS,

IN THE UNITED STATES, JANUARY 1, 1960¹

by

C. E. Hennig²

SUMMARY

Crude-Oil Capacity

On January 1, 1960 there were 310 petroleum refineries in the United States, with a crude-oil capacity of 9,901,424 barrels daily, according to the Bureau of Mines' annual survey. Compared with a year ago, this represents a net decrease of three in the number of refineries and an increase of 81,578, barrels per day in crude-oil throughput capacity. Continuing the trend to fewer units with greater individual throughput, the capacity of the average refinery in the United States increased during 1959 from 31,373 barrels per day to 31,940 barrels per day. Compared with the previous year, total crude-oil capacity of refineries on January 1, 1960 was lower in the Appalachian No. 1, Other Rocky Mountain, and Texas Gulf refinery districts. All other districts showed slight increases in capacity.

At the beginning of 1960 the industry had under construction facilities that would increase the crude-oil capacity in the United States by 70,947 barrels per day. This was the smallest capacity increase under construction at the beginning of the year since 1946. Included in this construction of additional capacity were two new refineries, one in Michigan and another in Hawaii. In addition, the industry was constructing facilities to replace 50,250 barrels per day of existing crude-oil capacity.

Crude-oil capacity reported as shutdown in January 1, 1960, totaled 358,095 barrels per day or 3.6 percent of the total installed capacity. This shutdown capacity included 58,800 barrels per day considered inoperable without extensive reconditioning.

The operating ratio of the petroleum refining industry, as indicated by dividing the January 1960 refinery runs to stills of 8,279,000 barrels

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per day by the total installed capacity as of January 1, 1960, was 83.6 percent. This compares with a ratio of 83.8 percent at the beginning of 1959.

Cracked-and Reformed-Gasoline Capacity

Expressed in terms of gasoline production, the capacity of cracking plants in the United States on January 1, 1960 totaled 2,058,888 barrels per day, an increase of 39,600 barrels per day over the previous year. Of this total, catalytic cracking accounted for 1,586,146 barrels per day and thermal cracking, 472,742 barrels per day. Refinery districts showing the greatest increases during 1959 in cracking plant capacity were the Indiana, Illinois, Kentucky, etc. district with a 37,875 barrel-per-day increase and the West Coast district with a 9,890 barrel-per-day increase. The Texas Gulf district showed the largest decrease, amounting to 9,860 barrels per day.

On January 1, 1960, plants were under construction which would increase the capacity of catalytic cracking facilities by 29,600 barrels per day and thermal cracking facilities by 5,700 barrels per day. There were also under construction at the beginning of 1960 facilities to replace 3,000 barrels per day of existing capacity.

Total capacity, in terms of gasoline output, of reforming plants at the beginning of 1960 was 1,636,929 barrels per day. The capacity of catalytic reformers amounted to 1,513,789 barrels per day and of thermal reformers, 123,140 barrels per day. Compared to a year ago, total reforming capacity increased 125,858 barrels per day. The largest increase, 62,900 barrels per day occurred in the Texas Gulf refinery district.

Construction of reforming plants at the beginning of 1960 was all of the catalytic type and will add 30,400 barrels per day to existing capacity. There was no construction in process for replacement.

As of January 1, 1960 refineries reported in operation 99.4 percent of catalytic-cracking capacity, 86.1 percent of thermal-cracking capacity, 93.8 percent of catalytic-reforming capacity, and 25.0 percent of thermal-reforming capacity. Shutdown capacity of cracking plants totaled 75,281 barrels per day, including 26,550 barrels per day considered inoperable without extensive reconditioning. Reforming capacity shutdown at the beginning of 1960 amounted to 125,500 barrels per day, including 44,050 barrels per day considered inoperable.

DEFINITIONS

Crude-oil capacity of a refinery represents the maximum daily average crude throughput of a plant in complete operation, with allowance for necessary shutdown time for routine maintenance, repairs, etc. It approximates the maximum daily average crude runs to stills that can be maintained for an extended period.

Cracked-gasoline and reformed-gasoline capacities of a refinery represent the quantity of gasoline that can be produced on a daily average basis under maximum sustained throughput of charging stocks of the types in current use.

TABLE 1.-Petroleum refineries and cracking plants in the United States, January 1, 1930-60
(Barrels per day)

Year	Petroleum refineries								Cracking and reforming plants			
	Number				Crude-oil throughput capacity				Gasoline output capacity ¹			
	Operating	Shutdown	Total	Building	Operating	Shutdown	Total	Building ²	Operating	Shutdown	Total	Building ²
1930....	358	54	412	8	3,634,825	130,760	3,765,585	37,200	1,419,200	139,840	1,559,040	149,900
1931....	346	89	435	10	3,706,610	236,075	3,942,685	45,000	1,594,990	244,661	1,839,651	111,130
1932....	365	108	473	6	3,624,992	389,616	4,014,608	8,720	1,603,809	394,585	1,998,394	48,587
1933....	372	133	505	18	3,445,110	444,392	3,889,510	31,545	1,580,051	417,694	1,997,745	33,650
1934....	454	137	591	13	3,553,569	364,648	3,918,217	44,450	1,712,629	377,735	2,090,364	59,300
1935....	435	196	631	7	3,614,749	443,751	4,058,500	13,900	1,897,778	311,491	2,209,269	20,000
1936....	422	210	632	15	3,749,835	367,212	4,117,047	46,899	1,994,868	215,450	2,210,318	30,450
1937....	423	149	572	11	3,966,616	328,265	4,294,881	81,200	2,077,325	139,525	2,216,850	138,220
1938....	431	120	551	10	4,151,276	199,875	4,351,151	22,550	(3)	(3)	(3)	(3)
1939....	431	120	551	10	3,970,196	390,955	4,351,151	283,020	853,161	79,810	932,971	86,060
1939....	435	103	538	7	3,933,785	574,770	4,508,555	142,250	877,347	119,152	996,499	47,180
1940....	461	86	547	10	4,196,694	431,952	4,628,646	92,567	964,665	81,549	1,046,214	58,075
1941....	420	136	556	6	4,180,588	538,361	4,718,949	141,225	1,021,006	82,042	1,103,048	48,145
1942....	430	92	522	1	4,496,843	459,756	4,956,599	43,400	1,144,594	49,105	1,193,699	28,985
1943....	386	85	471	1	4,409,013	492,998	4,902,011	195,100	1,117,533	71,810	1,189,343	155,984
1944....	384	68	452	-	4,709,382	383,641	5,093,023	118,270	1,236,343	50,102	1,286,445	189,244
1945....	380	33	413	1	5,077,690	223,463	5,301,153	36,075	1,439,226	48,688	1,487,914	14,100
1946....	364	29	393	1	5,086,165	229,691	5,315,856	53,100	1,386,162	113,613	1,499,775	57,870
1947....	361	38	399	-	5,336,399	233,083	5,569,482	162,200	1,412,814	101,808	1,514,622	80,000
1948....	352	38	390	2	5,825,566	208,666	6,034,232	367,252	1,556,958	67,200	1,624,158	172,200
1949....	336	39	375	3	6,230,505	208,490	6,438,995	341,500	1,638,783	76,490	1,715,273	136,602
1950....	320	47	367	2	6,222,998	473,302	6,696,300	145,600	1,732,241	88,442	1,820,683	94,045
1951....	325	32	357	1	6,701,815	261,829	6,963,644	160,100	1,808,746	44,360	1,853,106	161,155
1952....	327	23	350	-	7,161,366	171,519	7,332,885	282,680	1,968,978	46,965	2,015,943	119,030
1953....	315	28	343	4	7,481,701	156,960	7,638,661	509,721	2,123,813	26,644	2,150,457	271,423
1954....	308	29	337	7	7,782,103	224,794	8,006,897	397,500	2,191,619	57,845	2,249,464	253,191
1955....	296	30	326	4	8,069,154	351,476	8,420,630	146,800	2,405,605	129,829	2,535,434	234,370
1956....	294	24	318	2	8,380,801	251,589	8,632,390	267,000	2,637,693	139,098	2,776,791	305,943
1957....	298	21	319	3	8,808,841	314,833	9,123,674	256,350	2,945,990	101,901	3,047,891	350,773
1958....	289	29	318	2	8,939,907	467,800	9,407,707	185,265	3,062,629	146,491	3,209,120	228,700
1959....	291	22	313	-	9,450,741	369,105	9,819,846	108,400	3,279,623	250,737	3,530,359	80,560
1960....	290	20	310	2	9,543,329	358,095	9,901,424	70,947	3,435,036	260,781	3,695,817	65,700

¹Capacity expressed in terms of charge stock for 1937 and preceding years.

²Represents additional and not replacement facilities under construction at the beginning of the year. On January 1, 1960, replacement construction totaled 50,250 barrels daily of crude-oil capacity and 3,000 barrels daily of cracked-gasoline capacity.

³Crude-oil capacity recomputed to compare with data for previous years. Not available for cracked-gasoline capacity.

⁴Capacity figures compare with succeeding years.

⁵Includes 58,800 barrels per day considered inoperable without extensive repair.

⁶Includes 70,600 barrels per day considered inoperable without extensive repair.

TABLE 2.-Capacity of cracking and reforming plants in the United States, by type,
January 1, 1941-60¹
(Barrels per day)

Year	Reforming ²		Cracking		Total
	Catalytic	Thermal	Catalytic	Thermal	
1941....	187,560		56,420	859,068	1,103,048
1942....	225,400		65,640	902,659	1,193,699
1943....	275,580		83,902	829,861	1,189,343
1944....	281,936		192,894	811,615	1,286,445
1945....	313,800		353,487	820,627	1,487,914
1946....	274,925		386,756	836,094	1,499,775
1947....	283,515		423,378	807,729	1,514,622
1948....	275,505		505,825	842,828	1,624,158
1949....	290,275		603,536	821,462	1,715,273
1950....	307,007		729,055	784,621	1,820,683
1951....	295,500		780,810	776,796	1,853,106
1952....	333,703		907,544	774,696	2,015,943
1953....	355,297		1,005,602	789,558	2,150,457
1954....	414,358		1,107,923	727,183	2,249,464
1955....	586,968		1,318,578	627,888	2,535,434
1956....	776,052		1,411,698	589,041	2,776,791
1957....	950,889		1,525,469	571,533	3,047,891
1958....	1,223,160		1,456,687	529,273	3,209,120
1959....	*1,386,171	*124,900	1,547,484	*471,804	3,530,359
1960....	1,513,789	123,140	1,586,146	472,742	3,695,817

¹Capacity expressed in terms of gasoline output.

²Breakdown of reformed between catalytic and thermal not available for years prior to 1959.

³Includes some reformed.

⁴Revised.

TABLE 3.-Petroleum refineries and cracking plants in the United States, by States, January 1, 1960

5

(Barrels per day)

State	Petroleum refineries									Cracking and reforming plants				
	Number			Crude-oil throughput capacity					Gasoline output capacity ¹					
	Opera- ting	Shut- down	Total	Operating	Shutdown		Total	Building		Operating	Shutdown		Total	Building
					Operable	Inoperable		Replace- ment	Addi- tional		Operable	Inoperable		
Alabama.....	4	-	4	18,500	-	-	18,500	-	-	-	-	-	-	-
Arkansas.....	6	-	6	89,300	2,700	-	92,000	-	-	29,030	-	-	29,030	-
California.....	36	2	38	1,309,800	42,800	-	1,352,600	-	5,000	448,447	16,400	-	464,847	33,900
Colorado.....	7	-	7	38,400	-	-	38,400	-	-	17,500	-	-	17,500	-
Delaware.....	2	-	2	143,500	-	-	143,500	-	-	51,000	-	-	51,000	-
Florida.....	1	-	1	2,000	-	-	2,000	-	-	-	-	-	-	-
Georgia.....	2	-	2	9,000	-	-	9,000	-	-	-	-	-	-	-
Hawaii.....	-	-	-	-	-	-	-	-	32,000	-	-	-	-	-
Illinois.....	14	-	14	597,240	-	51,300	648,540	-	-	257,590	14,315	19,300	291,205	-
Indiana.....	12	-	12	481,050	18,850	-	499,900	-	-	183,790	30,750	-	214,540	-
Kansas.....	13	1	14	329,420	8,180	-	337,600	-	500	130,030	5,020	2,000	137,050	900
Kentucky.....	4	1	5	108,500	11,000	-	119,500	-	4,000	28,850	1,850	-	30,700	-
Louisiana.....	12	1	13	760,500	8,500	-	769,000	24,000	11,000	238,200	22,100	3,900	264,200	23,500
Maryland.....	3	-	3	33,500	-	-	33,500	-	-	-	-	-	-	-
Massachusetts...	1	-	1	50,000	-	-	50,000	-	-	14,800	-	4,850	19,650	-
Michigan.....	14	1	15	168,302	7,300	-	175,602	-	2,197	58,480	2,300	500	61,280	-
Minnesota.....	4	-	4	67,785	-	-	67,785	-	-	21,380	-	-	21,380	-
Mississippi.....	3	-	3	25,500	2,500	-	28,000	-	-	8,000	1,200	-	9,200	-
Missouri.....	1	-	1	76,100	-	-	76,100	-	-	35,740	2,200	3,900	41,840	-
Montana.....	9	3	12	83,350	4,300	-	87,650	3,750	250	31,300	200	-	31,500	-
Nebraska.....	1	-	1	3,000	-	-	3,000	-	-	1,275	-	-	1,275	-
New Jersey.....	7	1	8	513,000	35,500	-	548,500	22,500	2,000	147,100	200	6,200	153,500	7,100
New Mexico.....	6	1	7	28,880	4,500	-	33,380	-	-	11,730	1,190	-	12,920	-
New York.....	3	-	3	90,000	-	-	90,000	-	-	31,800	-	-	31,800	-
North Dakota....	2	1	3	42,900	2,500	-	45,400	-	1,500	12,875	1,200	-	14,075	2,200
Ohio.....	11	2	13	435,887	21,000	-	456,887	-	-	176,875	10,400	-	187,275	-
Oklahoma.....	15	-	15	401,680	3,500	-	405,180	-	5,000	151,375	9,290	5,200	165,865	1,000
Oregon.....	1	-	1	7,000	-	-	7,000	-	-	-	-	-	-	-
Pennsylvania.....	13	-	13	639,740	34,000	-	673,740	-	-	234,697	17,516	1,200	253,413	-
Rhode Island....	2	-	2	14,700	-	-	14,700	-	-	-	-	-	-	-
South Carolina...	-	1	1	-	11,440	-	11,440	-	-	-	-	-	-	-
South Dakota....	-	1	1	-	200	-	200	-	-	-	-	-	-	-
Tennessee.....	2	-	2	16,000	750	-	16,750	-	-	2,700	-	-	2,700	-
Texas.....	55	4	59	2,545,620	78,700	7,500	2,631,820	-	1,000	964,185	45,200	23,550	1,032,935	17,000
Utah.....	5	-	5	97,600	-	-	97,600	-	-	28,137	-	-	28,137	-
Virginia.....	1	-	1	34,000	-	-	34,000	-	-	17,300	-	-	17,300	-
Washington.....	5	-	5	147,000	-	-	147,000	-	4,500	53,700	5,900	-	59,600	600
West Virginia...	2	-	2	7,000	-	-	7,000	-	-	4,150	450	-	4,600	-
Wisconsin.....	2	-	2	20,000	-	-	20,000	-	-	2,600	2,500	-	5,100	-
Wyoming.....	9	-	9	107,575	1,075	-	108,650	-	2,000	40,400	-	-	40,400	2,500
Total.....	290	20	310	9,543,329	299,295	58,800	9,901,424	50,250	70,947	3,435,036	190,181	70,600	3,695,817	268,700

Note: On January 1, 1960 there were two new refineries under construction (Hawaii and Michigan).

¹Capacity expressed in terms of gasoline production.²Includes 3,000 barrels per day capacity under construction for replacement. All other figures shown as building represent facilities under construction which will add to existing capacity.

TABLE 4.-Changes in crude-oil capacity during 1959, in the United States, by districts
(Barrels per day)

District	Total capacity Jan. 1, 1959	Capacity added in 1959 ¹	Capacity retired in 1959 ¹	Total capacity Jan. 1, 1960
East Coast.....	1,478,740	39,900	18,500	1,500,140
Appalachian #1.....	117,490	29,750	30,000	117,240
Appalachian #2.....	115,000	1,000	-	116,000
Ind., Ill., Ky., etc.....	1,753,777	108,802	60,810	1,801,769
Minn., Wis., N. Dak. & S. Dak....	129,700	6,385	-	133,385
Okla., Kans., Mo., etc.....	465,800	21,000	8,000	481,800
Texas Inland.....	390,500	12,300	3,700	401,100
Texas Gulf.....	2,247,442	17,248	44,470	2,230,720
Louisiana Gulf.....	768,000	9,000	1,500	769,500
Ark., La. Inland, etc.....	131,450	6,550	-	138,000
New Mexico.....	38,300	500	-	33,380
Other Rocky Mountain.....	338,025	4,125	11,350	332,300
West Coast.....	1,508,352	34,000	31,152	1,506,200
Total.....	9,812,846	291,060	209,482	9,901,424

¹Includes changes to capacity due to modification of existing facilities.

TABLE 5.-Number and capacity of petroleum refineries in the United States, by districts, January 1, 1960

District	Number			Crude-oil throughput capacity (barrels per day)					
	Operating	Shutdown	Total	Operating	Shutdown		Total	Building	
					Operable	Inoperable		Replacement	Additional
East Coast.....	24	2	26	1,422,200	77,940	-	1,500,140	22,500	2,000
Appalachian #1.....	13	-	13	114,240	3,000	-	117,240	-	-
Appalachian #2.....	3	1	4	110,000	6,000	-	116,000	-	-
Ind., Ill., Ky., etc.....	54	3	57	1,696,979	52,900	51,300	1,801,179	-	6,197
Minn., Wis., N. Dak. & S. Dak....	8	2	10	130,685	2,700	-	133,385	-	1,500
Okla., Kans., Mo., etc.....	30	1	31	810,200	11,680	-	821,880	-	5,500
Texas Inland.....	30	2	32	359,400	34,200	7,500	401,100	-	1,000
Texas Gulf.....	25	2	27	2,186,220	44,500	-	2,230,720	-	-
Louisiana Gulf.....	9	1	10	761,000	8,500	-	769,500	24,000	11,000
Ark., La. Inland, etc.....	16	-	16	132,500	5,200	-	138,000	-	-
New Mexico.....	6	1	7	28,880	4,500	-	33,380	-	-
Other Rocky Mountain.....	30	3	33	326,925	5,375	-	332,300	3,750	2,250
West Coast.....	42	2	44	1,463,800	42,800	-	1,506,600	-	41,500
Total.....	290	20	310	9,543,329	299,295	58,800	9,901,424	50,250	70,247

TABLE 6.-Capacity of cracking and reforming plants in the United States, by districts, January 1, 1960¹
(Barrels per day)

District	Operating	Shutdown		Total	By type				Building
		Operable	Inoperable		Reforming		Cracking		
					Catalytic	Thermal	Catalytic	Thermal	
East Coast.....	453,690	16,900	11,050	481,640	205,200	13,800	238,000	24,640	7,100
Appalachian #1.....	47,157	1,200	-	49,623	27,028	340	15,877	6,378	-
Appalachian #2.....	44,370	300	-	44,670	17,930	-	18,520	8,220	-
Ind., Ill., Ky., etc.....	663,915	59,315	19,800	743,030	294,380	29,200	310,770	108,680	-
Minn., Wis., N. Dak., & S. Dak....	36,855	3,700	-	40,555	16,350	1,500	20,150	2,555	2,200
Okla., Kans., Mo., etc.....	318,420	16,510	11,100	346,030	130,095	9,400	163,700	42,835	1,900
Texas Inland.....	140,470	13,700	2,150	156,320	65,670	50	59,620	30,980	15,000
Texas Gulf.....	823,715	31,500	21,400	876,615	382,700	47,000	358,650	88,265	2,000
Louisiana Gulf.....	238,200	22,100	3,900	264,200	99,000	2,300	146,200	16,700	23,500
Ark., La. Inland, etc.....	37,030	1,200	-	38,230	15,600	-	19,100	3,530	-
New Mexico.....	11,730	1,190	-	12,920	6,810	-	4,670	1,440	-
Other Rocky Mountain.....	117,337	200	-	117,537	38,700	2,100	56,289	20,448	2,500
West Coast.....	502,147	22,300	-	524,447	214,326	17,450	174,600	118,071	34,500
Total.....	3,435,036	190,181	70,600	3,695,817	1,513,789	123,140	1,586,146	472,742	268,700

¹Capacity expressed in terms of gasoline production.

²Includes 3,000 barrels per day capacity under construction for replacement. All other figures shown as building represent facilities under construction which will add to existing capacity.

TABLE 7. - Capacity of petroleum refineries and cracking plants in the United States, January 1, 1960
(barrels per day)

7

Company	Location	Type of plant	Crude-oil capacity			Cracked and reformed gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
ALABAMA								
American Bitumens & Asphalt Co.....	Mobile (Bogaloo Island)	S-A	1,000	-	-	-	-	-
Hunt Oil Co.....	PascAGO	S-A	1,000	-	-	-	-	-
Valcan Asphalt Refining Co.....	Cordele	S-A	2,000	-	-	-	-	-
Warrior Asphalt Corp.....	Holt	S-A	1,000	-	-	-	-	-
Total.....			5,000	-	-	-	-	-
ARKANSAS								
American Oil Co.....	El Dorado	S-C-K	43,000	-	-	25,530	-	-
Berry Asphalt Co.....	Stephens	S-A-L	2,000	-	-	-	-	-
Do.....	Waterloo	S-A-L	1,500	-	-	-	-	-
Cross, Henry H., Co.....	Snackover	S-A-L	3,300	2,700	-	-	-	-
Lion Oil Co., Div. of Monsanto Chemical Co.....	El Dorado	S-C-A-L	35,000	-	-	10,000	-	-
Macmillan Petroleum Corp.....	Norfleet	S-A-L	4,500	-	-	-	-	-
Total.....			89,300	2,700	-	35,530	-	-
CALIFORNIA ³								
Calstate Refining Co.....	Long Beach	C	-	-	-	700	-	-
Casimol Co., The.....	Hanford	S-C	7,500	-	-	1,500	600	-
Century Oil Co.....	Long Beach	S	2,500	-	-	-	-	-
Douglas Oil Company of California.....	Bakersfield	S-C	9,000	-	-	3,000	-	-
Do.....	Paramount	S-A	3,000	-	-	-	-	-
Do.....	Santa Maria	S-A	4,000	-	-	-	-	-
Edgington Oil Refineries, Inc.....	Long Beach	S-A-L	7,500	-	-	-	-	-
Edgington-Oxnard Asphalt Co.....	Oxnard	S-A	2,500	-	-	-	-	-
Envoy Petroleum Co.....	Long Beach	S-A	3,000	-	-	-	-	-
Fletcher Oil Co.....	Wilmington	S-C	10,000	-	-	-	4,200	3,000
Golden Bear Oil Co.....	Oilfield	S-A-L	5,000	-	-	-	-	-
Golden Eagle Refining Co., Inc.....	Torrance	S-C	9,000	-	-	1,250	-	-
Macmillan Petroleum Corp.....	Long Beach	S-A	9,000	-	-	-	-	-
Manespe Refining Co.....	do	S	5,000	-	-	-	-	-
Mobil Oil Co., Inc.....	Torrance	S-C-K	125,000	-	-	35,150	-	1,700
Monawk Petroleum Corp.....	Bakersfield	S-C	9,000	3,500	-	1,000	-	-
Newhall Refining Co., Inc.....	Newhall	S-A	3,000	-	-	-	-	-
Oxnard Oil & Refining Co.....	Oxnard	S	2,000	-	-	-	-	-
Palomar Oil & Refining Corp.....	Bakersfield	S-A-L	1,300	-	-	-	-	-
Powertine Oil Co.....	Santa Fe Springs	S-C	14,000	-	-	4,375	-	-
Richfield Oil Corp.....	Watson	S-C	160,000	-	-	47,500	-	-
Seaside Oil Co.....	Ventura	S	5,500	-	-	-	-	-
Shell Oil Co.....	Martinez	S-C-A-L	51,000	-	-	13,800	-	-
Do.....	Wilmington	S-C-A	68,500	-	-	27,650	-	-
Signal Oil & Gas Co.....	Long Beach	C	-	-	-	2,400	-	-
Do.....(formerly Buell Oil Co.).....	Bakersfield	S-C-K	10,000	5,000	-	1,400	-	7,200
Socal Oil & Refining Co.....	Huntington Beach	S-C	2,500	-	-	1,500	-	-
Standard Oil Company of California.....	El Segundo	S-C-A	150,000	-	-	61,300	5,900	-
Do.....	Richmond	S-C-A-L	210,000	-	-	75,400	-	-
Do.....	Bakersfield	S-C-A	20,000	-	-	7,300	-	-
Do.....	do	S-C	5,300	-	-	321	-	-
Sunland Refining Corp.....	Oxnard	S-A	-	1,500	-	-	-	-
Superior Asphalt Co.....	Wilmington	S-C	60,000	-	-	23,500	-	9,500
Texaco, Inc.....	Alton	S-C-K-L	100,000	27,000	-	37,000	-	-
Tidewater Oil Co.....	Orcutt	S-C-A-K-L	35,000	7,000	-	19,000	-	-
Union Oil Company of California.....	Santa Maria	S-A-K	4,700	-	-	-	-	-
Do.....	Arroyo Grande	S-K	12,000	-	-	3,500	-	-
Do.....	Wilmington	S-C-A	100,000	-	-	39,400	5,700	12,500
West Coast Oil Co.....	Oilfield	S-A	-	3,000	-	-	-	-
Wilshire Oil Company of California.....	Santa Fe Springs	S-C-A	33,000	-	-	15,700	-	-
Total.....			1,309,400	40,000	5,000	445,447	16,400	33,900
COLORADO								
Bay Petroleum Corp., The.....	Denver	S-C	11,000	-	-	6,250	-	-
Continental Oil Co.....	do	S-C	15,000	-	-	7,500	-	-
Empire Petroleum Co.....	do	S-C	5,000	-	-	-	-	-
Oriental Refining Co.....	Alamosa	S-C	1,500	-	-	900	-	-
Do.....	Denver	S-C	3,300	-	-	1,500	-	-
Skelly Oil Co.....	do	S-C	1,500	-	-	950	-	-
Uinta Oil Refining Co.....	Rangely	S	1,400	-	-	-	-	-
Total.....			38,400	-	-	17,500	-	-

See footnotes at end of table.

(Barrels per day)

Company	Location	Type of plant ¹	Crude-oil capacity			Cracked- and reformed-gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
DELAWARE								
Texaco, Inc.	Claymont	S-A	3,500	-	-	-	-	-
Thiowater Oil Co.	Delaware City	S-C-K	140,000	-	-	51,000	-	-
Total			143,500	-	-	51,000	-	-
FLORIDA								
Seminole Asphalt Refining, Ltd.	St. Marks	S-A	2,000	-	-	-	-	-
GEORGIA								
American Oil Co.	Savannah	S-A	7,000	-	-	-	-	-
Cracker Asphalt & Refinery	Douglasville	S-A	2,000	-	-	-	-	-
Total			9,000	-	-	-	-	-
HAWAII ³								
Standard Oil Company of California	Honolulu	S	-	-	32,000	-	-	-
ILLINOIS								
Advance Refining Co., Inc.	Centralia	S-C	3,000	-	-	600	-	-
Clark Oil & Refining Corp.	Blue Island	S-C-A	35,000	-	-	15,600	215	-
Cross, Henry H. Co.	Colmar	S	200	-	-	-	-	-
Mobil Oil Co.	East St. Louis	S-C-K	43,000	-	-	16,800	-	-
Onio Oil Co.	Robinson	S-C-K	48,300	-	-	20,500	3,400	-
Pana Refining Co.	Pana	S-C	5,000	-	-	800	-	-
Pine Oil Co.	Lemont	S-C-A	47,500	-	-	18,490	-	-
Richards, M. T., Inc.	Crossville	S	240	-	-	-	-	-
Shell Oil Co.	Wood River	S-C-A-K-L	186,000	-	-	71,800	*14,300	-
Sinclair Refining Co.	Hartford	S-C-A	29,000	-	-	14,600	-	-
Standard Oil Co. (Indiana)	Wood River	S-C-A-K	65,000	51,300	-	23,100	515,700	-
Texaco, Inc.	Lawrenceville	S-C-A	67,000	-	-	36,500	-	-
Do	Lockport	S-C-A-K	67,000	-	-	38,800	-	-
Wireback Oil Co. ⁶	Plymouth	S	500	-	-	-	-	-
Total			597,240	51,300	-	257,590	33,615	-
INDIANA								
Albby Asphalt & Refining Corp.	Hammond	S-A	7,000	3,000	-	-	-	-
Berry Refining Co.	Gary	S-C-A	12,000	4,500	-	2,000	-	-
Cities Service Oil Co. (Delaware)	East Chicago	S-C-K	58,000	-	-	20,700	8,000	-
Glaxieux Refinery, Inc.	Fort Wayne	S	2,000	-	-	-	-	-
Indiana Farm Bureau Coop. Assn., Inc.	Mount Vernon	S-C	12,500	-	-	10,460	-	-
Jarvis, S. D., Co., The	Troy	S	150	1,350	-	-	-	-
Laketon Asphalt Refining, Inc.	Laketon	S-A	4,500	-	-	-	-	-
Mobil Oil Co.	East Chicago	S-C	36,000	-	-	17,800	-	-
R. J. Oil & Refining Co., Inc.	Princeton	S-C	4,100	-	-	1,830	-	-
Rock Island Refining Corp.	Rock Island	S-C	18,000	10,000	-	4,300	450	-
Sinclair Refining Co.	East Chicago	S-C-A-L	111,000	-	-	45,900	-	-
Standard Oil Co. (Indiana)	Whiting	S-C-A-K-L	215,800	-	-	80,800	22,300	-
Total			481,050	18,850	-	183,790	30,750	-
KANSAS								
American Petrofina Company of Texas	El Dorado	S-C-A	20,000	-	-	5,800	-	-
Anderson-Pritchard Oil Corp.	Arkansas City	S-C-A	20,500	4,500	-	6,700	2,750	-
Century Refining Co. ⁶	Shallow Water	S-C-A	2,320	1,630	-	730	71,770	-
Chanute Refining Co.	Chanute	S	-	2,000	-	-	-	-
Cooperative Refinery Assn.	Coffeyville	S-C-A-K-L	25,500	-	-	10,800	-	-
Do	Phillipsburg	S-C-A	13,000	-	-	5,550	-	-
Dorby Refining Co.	Wichita	S-C-A	20,000	-	-	6,250	1,500	-
Mid-America Refining Co., Inc.	Chanute	S-C-A	2,500	-	-	400	-	-
Mobil Oil Co.	Augusta	S-C-A	40,000	-	-	17,100	-	-
National Coop. Refinery Assn.	McPherson	S-C-K	31,500	-	-	12,400	-	-
Phillips Petroleum Co.	Kansas City	S-C-A-L	70,000	-	-	32,000	-	-
Skelly Oil Co.	El Dorado	S-C-A-K	45,000	-	-	15,500	-	-
Standard Oil Co. (Indiana)	Neodesha	S-C-K	23,100	-	500	9,800	-	900
Vickers Petroleum Co., Inc.	Potwin	S-C	16,000	-	-	7,000	*1,000	-
Total			329,420	8,180	500	130,030	7,020	900

See footnotes at end of table.

TABLE 7. - Capacity of petroleum refineries and cracking plants in the United States, January 1, 1940 - Continued
(Barrels per day)

9

Company	Location	Type of plant	Crude-oil capacity			Cracked and reformer-gasoline capacity		
			operating	shutdown	Building ^a	operating	shutdown	Building ^a
KENTUCKY								
Asland Oil & Refining Co.....	Carleystown.....	C-A	1,000	-	-	28,100	-	-
Do.....(Aetna Oil Co. Div.)..	Louisville.....	C	-	11,000	-	-	1,000	-
Jarvis, S. D., Co., Inc.....	Chambersburg.....	C	11,000	-	-	4,000	-	-
Louisville Refining Co., Inc.....	Louisville.....	C	11,000	-	4,000	4,000	400	-
Standard Oil Co. (Ohio), Inc.....	Lafayette.....	C-A	10,000	-	-	-	-	-
Total.....			32,000	11,000	4,000	36,100	1,400	-
LOUISIANA								
Indiana:								
East State Oil Corp.....	Houston.....	C-A-C	1,000	-	-	-	-	-
Galveston Refining Co.....	Princeton.....	C-A-C	-	-	-	-	-	-
Indian Valley Refineries, Inc.....	Cotton Valley.....	C	1,000	-	-	-	-	-
Ida Gasoline Co., Inc.....	Ida.....	C	1,000	-	-	-	-	-
Illinois:								
East Petroleum Corp.....	Chalmette.....	C-C	24,000	-	11,000	2,000	-	-
Canal Refining Co.....	Chicago Point.....	C-C	1,000	-	-	1,000	-	-
Cities Service Refining Corp.....	Lake Charles.....	C-C	10,000	-	-	90,000	-	-
Clark Oil & Refining Corp.....	Warrick.....	C-C	-	2,000	-	-	1,100	-
Continental Oil Co.....	Lake Charles (West Lake).....	C-C-K	12,000	-	-	20,000	-	-
Esso Standard, Div. of Humble Oil & Refining Co.....	Baton Rouge.....	C-C-A-L	30,000	-	-	21,000	24,000	500
Hammett Refining Co., Inc.....	Brenham.....	C-C	1,000	-	-	-	-	-
Hydram Products Co.....	Merrick.....	C-C	2,000	-	-	4,000	-	-
Shell Oil Co.....	Norco.....	C-C-A	10,000	-	-	43,000	-	-
Total.....			70,000	2,000	11,000	78,000	25,000	500
MARYLAND								
American Bitumens & Asphalt Co.....	Baltimore (Fairfield).....	C-A	7,000	-	-	-	-	-
American Oil Co.....	Baltimore.....	C-A	9,000	-	-	-	-	-
Esso Standard, Div. of Humble Oil & Refining Co.....	.....	C-A-K	10,000	-	-	-	-	-
Total.....			26,000	-	-	-	-	-
MASSACHUSETTS								
Esso Standard, Div. of Humble Oil & Refining Co.....	Everett.....	C-C-A	50,000	-	-	14,000	54,000	-
MICHIGAN								
Aurora Gasoline Co.....	Detroit.....	C-C-A-K	41,000	-	-	14,500	-	-
Do.....	Muskegon.....	C-C-A	14,000	-	-	1,000	1,000	-
Bay Refining Co.....	Bay City.....	C-C	14,000	-	-	1,000	-	-
Crystal Refining Co.....	Carson City.....	C	1,000	-	-	-	-	-
Lakeside Refining Co.....	Kalamazoo.....	C-C	3,000	-	-	1,000	-	-
Leonard Refineries, Inc.:								
Leonard Division.....	Alma.....	C-C-A	10,000	-	-	10,400	-	-
Mid-West Division.....	.....	C-C	10,000	-	-	2,000	1,000	-
Roosevelt Division.....	Mount Pleasant.....	C-C	7,000	-	-	1,000	-	-
Marell Refining Co.....	Grand Rapids.....	C-C	-	2,000	-	-	-	-
Mott Oil Co.....	Trenton.....	C-C-K	30,000	-	-	10,400	-	-
Napa-Gol Refining Co.....	Muskegon.....	C-C	14,000	-	-	3,000	-	-
Osceola Refining Co., Inc.....	Reed City.....	C	1,000	1,500	-	-	-	-
Petroleum Specialties, Inc.....	Flat Rock.....	C-C	2,000	-	-	1,000	-	-
Upper Peninsula Refinery, Inc.....	Rapid River.....	C	-	-	1,000	-	-	-
West Branch Refineries, Inc.....	West Branch.....	C-C	1,000	3,000	-	1,150	-	-
Wyandotte Chemical Corp.....	Wyandotte.....	C	2,000	-	177	-	-	-
Total.....			147,000	7,000	2,177	61,450	2,000	-
MINNESOTA								
Great Northern Oil Co.....	Pine Bend.....	C-C-K	34,000	-	-	13,000	-	-
International Refineries, Inc.....	Wrentham.....	C-C	10,000	-	-	4,000	-	-
Northwestern Refining Co.....	New Brighton.....	C	10,000	-	-	-	-	-
Do.....	St. Paul Park.....	C-A	17,000	-	-	3,000	-	-
Total.....			71,000	-	-	20,000	-	-

See footnotes at end of table.

TABLE 7. - Capacity of petroleum refineries and cracking plants in the United States, January 1, 1940 - Continued
(Barrels per day)

Company	Location	Type of plant ¹	Crude-oil capacity			Cracked and reformed gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
MISSISSIPPI								
Polix Asphalt Co.....	Cripps.....	S-C	2,500	2,500	-	-	1,200	-
Portlac Eastern Corp.....	Portis.....	S-C-K	1,000	-	-	5,000	-	-
Scottland Co.....	Sandersville.....	S-A	7,000	-	-	-	-	-
Total.....			25,000	2,500	-	5,000	1,200	-
MISSOURI								
Standard Oil Co. (Indiana).....	Sugar Creek.....	S-C-A-K	70,100	-	-	35,745	56,100	-
MONTANA								
Big West Oil Company of Montana.....	Kevin.....	S-C-A	2,500	-	250	1,450	200	-
Continental Oil Co.....	Billings.....	S-C-A	10,300	-	-	5,700	-	-
Diamond Asphalt Co.....	Chinook.....	S-C-A	1,500	-	-	200	-	-
Farmers Union Central Exchange, Inc.....	Laurel.....	S-C-A	12,000	-	-	9,400	-	-
Humble Oil & Refining Co. (Darter Div.).....	Billings.....	S-C-A-K	34,000	-	-	9,170	-	-
Jet Fuel Refiners.....	Mosty.....	S	400	800	-	-	-	-
John Wright, Inc.....	Shelby.....	S	-	1,500	-	-	-	-
Phillips Petroleum Co.....	Great Falls.....	S-C-A	3,300	-	-	800	-	-
Solar Oil & Refining Co.....	Hardin.....	S	-	1,500	-	-	-	-
Texaco, Inc.....	Sunburst.....	S-C	5,000	-	-	2,500	-	-
Union Oil Company of California.....	Out Bank.....	S-C	3,000	-	-	1,500	-	-
Unity Petroleum Corp. ⁶	Kalispeil.....	S-A	-	1,000	-	-	-	-
Total.....			63,350	4,300	250	31,300	200	-
NEBRASKA								
Cooperative Refinery Assn.....	Scottsbluff.....	S-C	3,000	-	-	1,275	-	-
NEW JERSEY								
California Oil Co.....	Port's Amboy.....	S-C-A	100,000	15,500	-	25,500	200	-
Cities Service Oil Co. (Pennsylvania)....	Linden.....	S-A	15,000	-	-	-	-	-
Esso Standard, Div. of Humble Oil & Refining Co.....	Bayonne.....	S-A	25,000	-	-	-	-	-
Do.....	Linden.....	S-C-A	165,000	-	2,000	62,720	21,200	7,100
Hess Trading & Transport, Inc. ⁶	Sewaren.....	S-C	45,000	-	-	3,000	-	-
Metropolitan Petroleum Corp.....	Bayonne.....	S	-	20,000	-	-	-	-
Mobil Oil Co.....	Paulatona.....	S-C-K-L	87,000	-	-	26,400	-	-
Texaco, Inc.....	Westville.....	S-C	73,000	-	-	24,500	55,000	-
Total.....			513,000	35,500	2,000	147,100	6,400	7,100
NEW MEXICO								
Continental Oil Co.....	Artesia.....	S-C-A	4,000	-	-	2,200	-	-
Do.....(formerly Malco Refineries, Inc.).....	do.....	S-C-A	11,500	-	-	3,000	-	-
El Paso Natural Gas Products Co.....	Bloomfield.....	S	1,000	-	-	-	-	-
Do.....	Brickland.....	S-C	-	4,500	-	-	1,100	-
Do.....	Ciniza.....	S-C	9,000	-	-	5,900	-	-
Farmaris Oil & Refining Co.....	Monument.....	S-C	1,300	-	-	630	-	-
Four States Western Oil Refining Co.....	Farmington.....	S	2,000	-	-	-	-	-
Total.....			28,800	4,500	-	11,730	1,100	-
NEW YORK								
Frontier Oil Refining Corp., Div. of Ashtabula Oil & Refining Co.....	Tonawanda (Buffalo)....	S-C-A	30,000	-	-	12,500	-	-
Mobil Oil Co.....	Brooklyn.....	S-C	30,500	-	-	5,900	-	-
Do.....	Buffalo.....	S-C-A	29,500	-	-	13,400	-	-
Total.....			90,000	-	-	31,800	-	-
NORTH DAKOTA								
Pacific State Oil Co.....	Dickinson.....	S-C-A	-	2,500	1,500	-	1,200	2,200
Standard Oil Co. (Indiana).....	Mandan.....	S-C	40,900	-	-	11,700	-	-
Westland Oil Co.....	Williston.....	S-C	2,000	-	-	1,175	-	-
Total.....			42,900	2,500	1,500	12,875	1,200	2,200

¹ See footnotes at end of table.

(Barrels per day)

Company	Location	Type of plant ¹	Crude-oil capacity			Cracked- and reformed-gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
OHIO								
East:								
Ashland Oil & Refining Co.....	Canton.....	S-C-A	38,000	-	-	13,500	-	-
Do.....	Niles.....	S-C	-	6,000	-	-	300	-
Pure Oil Co.....	Heath (Newark).....	S-C	20,000	-	-	6,370	-	-
Standard Oil Co. (Ohio), The.....	Cleveland.....	S-C-A-L	52,000	-	-	22,500	-	-
West:								
American Bitumuls & Asphalt Co.....	Cincinnati.....	S-A	12,000	-	-	-	-	-
Ashland Oil & Refining Co.....	Findlay.....	S-C-A	-	15,000	-	-	4,000	-
Gulf Oil Corp.....	Cleves.....	S-C-A	35,317	-	-	12,105	-	-
Do.....	Toledo.....	S-C	43,070	-	-	17,450	-	-
Mid-West Refining Co.....	Weston.....	T-L	500	-	-	-	-	-
Pure Oil Co.....	Toledo.....	S-C-K	38,000	-	-	7,880	6,100	-
Standard Oil Co. (Ohio), The.....	Lima.....	S-C-K-L	48,000	-	-	24,500	-	-
Do.....	Toledo.....	S-C-K	54,000	-	-	23,000	-	-
Sun Oil Co.....	Toledo.....	S-C	95,000	-	-	41,000	-	-
Total.....			445,887	21,000	-	170,875	10,400	-
OKLAHOMA								
Allied Materials Corp. ⁶	Stroud.....	S-A	3,500	-	-	-	-	-
Anderson-Pritchard Oil Corp.....	Cyril.....	S-C-A	10,000	2,500	-	2,700	2,150	-
Bell Oil & Gas Co.....	Granfield.....	S	7,000	1,000	-	-	21,700	-
Ben Franklin Refining Co.....	Armore.....	S-C-A	12,000	-	-	4,210	440	-
Camplin Oil & Refining Co.....	Enid.....	S-C-A-L	31,000	-	-	15,000	-	1,000
Cities Service Oil Co.....	Ponca City.....	S-C-K	35,000	-	-	12,200	-	-
Continental Oil Co.....	Okemuncie.....	S-C-K-L	77,000	-	-	27,125	-	-
D-X Sunray Oil Co.....	Duncan.....	S-C-K	40,000	-	-	19,400	-	-
Do.....	West Tulsa.....	S-C-K-L	74,000	-	-	25,000	6,700	-
Kerr-McGee Oil Industries, Inc.....	Cleveland.....	C	-	-	-	-	23,500	-
Do.....	Cushing.....	S-C-A-L	23,000	-	-	3,950	-	-
Do.....	Wynnewood.....	S-C-A-L	17,500	-	5,000	7,950	-	-
Midland Cooperatives, Inc.....	Cushing.....	S-C	13,000	-	-	5,140	-	-
Monarch Refineries, Inc.....	Okemuncie City.....	S-A	2,000	-	-	-	-	-
Phillips Petroleum Co.....	Okemuncie.....	S-C-A	19,000	-	-	4,200	-	-
Texaco, Inc.....	West Tulsa.....	S-C-A	40,000	-	-	22,500	-	-
Total.....			401,680	3,500	5,000	151,375	14,490	1,000
OREGON ³								
American Bitumuls & Asphalt Co.....	Portland (Willbridge).....	S-A	7,000	-	-	-	-	-
PENNSYLVANIA								
East:								
Atlantic Refining Co., The.....	Philadelphia.....	S-C-A-L	142,000	-	-	43,000	-	-
Gulf Oil Corp.....	Girard Point.....	S-C	151,000	31,000	-	72,800	16,700	-
Sinclair Refining Co.....	Marcus Hook.....	S-C	133,000	-	-	48,300	-	-
Sun Oil Co.....	Edinboro.....	S-C-A-L	160,000	-	-	54,000	-	-
West:								
Franklin Refinery, Div. of L. Sonneborn Sons, Inc.....	Franklin.....	S-L	1,900	-	-	-	-	-
Kendall Refining Co.....	Braintree.....	S-C-L	4,800	-	-	1,500	21,200	-
Pennsylvania Refining Co.....	Karns City.....	S-L	1,500	-	-	-	-	-
Pennzoil Division of South Penn Oil Co.....	Rouseville.....	S-C-L	10,000	3,000	-	3,587	816	-
Quaker State Oil Refining Corp.....	Eminton.....	S-C-L	2,540	-	-	1,460	-	-
Do.....	Farmers Valley.....	S-C-L	4,000	-	-	2,500	-	-
United Refining Co.....	Warren.....	S-C-A	15,000	-	-	6,600	-	-
Valvoline Oil Co., Div. of Ashland Oil & Refining Co.....	Freedom.....	S-L	5,500	-	-	-	-	-
Wolf's Head Oil Refining Co., Inc.....	Penn.....	S-C-L	2,500	-	-	1,460	-	-
Total.....			639,740	34,000	-	234,697	18,716	-
RHODE ISLAND								
Mobil Oil Co.....	East Providence.....	S-A	11,200	-	-	-	-	-
Texaco, Inc.....	Providence.....	S-A	3,500	-	-	-	-	-
Total.....			14,700	-	-	-	-	-

See footnotes at end of table.

TABLE 7. - Capacity of petroleum refineries and cracking plants in the United States, January 1, 1960 - Continued
(Barrels per day)

Company	Location	Type of plant ¹	Crude-oil capacity			Cracked- and reformed- gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
SOUTH CAROLINA								
Esso Standard, Div. of Humble Oil & Refining Co.	Charleston	S-A	-	11,440	-	-	-	-
SOUTH DAKOTA								
Hot Springs Refining Co.	Hot Springs	S	-	200	-	-	-	-
TENNESSEE								
Delta Refining Co.	Memphis	S-C-A	16,000	-	-	2,700	-	-
Southern Oil Service	Nashville	S	-	750	-	-	-	-
Total			16,000	750	-	2,700	-	-
TEXAS								
Inland:								
American Petroleum Company of Texas	Mount Pleasant	S-C-A	20,000	-	-	3,500	2,700	-
Do.	Wichita Falls	S-C	10,000	-	-	4,700	-	-
Anderson Refining Co.	Palestine	S-C	1,200	1,200	-	-	1,600	-
Bryson Pipe Line & Refining Co.	Bryson	S-L	1,100	-	-	-	-	-
Cactus Petroleum, Inc.	La Blanca	S-C	5,000	-	-	800	-	-
Col-Tex Refining Co.	Colorado City	S-C-A	13,000	-	-	4,100	-	-
Continental Oil Co.	Wichita Falls	S-C	10,500	-	-	5,120	-	-
Cosden Petroleum Corp.	Abilene-Hawley	S-C	-	57,000	-	-	52,150	-
Do.	Big Spring	S-C-A	30,000	-	-	17,050	-	-
Dandridge Refining Co.	Pettus	S-C	12,000	-	-	2,050	-	-
El Paso Natural Gas Products Co.	Odessa	S-C	13,000	-	-	5,150	-	-
Gratex Corp.	Graham	S	-	500	-	-	-	-
Great Western Producers	Irving	S-C	2,300	-	-	1,000	-	-
Howell Refining Co.	San Antonio	S	3,500	-	-	-	-	-
LaGloria Oil & Gas Co.	Tyler	S-C-K	15,000	9,000	-	7,300	4,100	-
Monarch Refining Co.	San Antonio	S	4,000	-	-	-	-	-
Petroleum Refining Co.	Lueders	S-C	2,000	-	-	700	-	-
Phillips Petroleum Co.	Phillips	S-C	71,000	-	-	32,000	-	-
Premier Oil Refining Company of Texas	Baird	S-C	2,200	-	-	450	-	-
Do.	Fort Worth	S-C	8,000	-	-	4,350	-	-
Do.	Longview	S-C	6,000	-	-	2,750	-	-
Rado Refining Co.	McAllen	S	1,500	5500	-	-	-	-
Shumrock Oil & Gas Corp.	Sunray	S-C-A	25,000	-	-	15,450	-	15,000
Skelly Oil Co.	Longview	S-C	4,500	-	-	3,000	-	-
Standard Oil Company of Texas	El Paso	S-C	53,000	22,000	-	14,150	4,800	-
Texstar Petroleum Co.	Carrizo Springs	S-C	2,500	-	-	-	500	-
Texaco, Inc.	Amarillo	S-C-K	19,000	-	-	8,700	-	-
Do.	El Paso	S-C-K	16,000	-	-	7,400	-	-
Three Rivers Refinery	Three Rivers	S-A-L	1,300	-	1,000	-	-	-
Tydal Co., The	Gainesville	S-L	2,000	-	-	-	-	-
Waskom Natural Gas Corp.	Waskom	S-C	2,000	-	-	750	-	-
Wickett Refining Co.	Wickett	S	2,500	1,500	-	-	-	-
Gulf:								
American Oil Co.	Texas City	S-C-A-L	150,000	-	-	78,000	-	2,000
Atlantic Refining Co., The	Atrisco (Port Arthur)	S-C	62,000	-	-	22,900	57,200	-
Crown Central Petroleum Corp.	Houston (Pasadena)	S-C	40,000	-	-	14,400	-	-
DeKal-Taylor Oil Corp.	Corpus Christi	S-C	40,000	-	-	20,210	-	-
Do.	Port Isabel	S-C	10,000	-	-	4,000	-	-
Eastern States Petroleum & Chemical Corp.	Houston	S-C	60,000	-	-	22,000	-	-
Eddy Refining Co.	Do.	S	2,500	-	-	-	-	-
Gulf Oil Corp.	Port Arthur	S-C-L	271,920	-	-	97,480	513,600	-
Howell Refining Co.	Corpus Christi	S	5,000	-	-	-	-	-
Humble Oil & Refining Co. (Humble Div.)	Baytown	S-C-A-L	292,300	-	-	112,000	-	-
Magnolia Petroleum Co.	Beaumont	S-C-L	220,000	-	-	59,400	1,700	-
Phillips Petroleum Co.	Sweeny	S-C	95,000	-	-	42,000	-	-
Pontiac Refining Corp.	Corpus Christi	S-C	50,000	-	-	13,800	-	-
Premier Oil Refining Company of Texas	Brownsville	S-A	-	5,500	-	-	-	-
Pure Oil Co.	Nederland	S-C-L	80,000	4,000	-	28,000	-	-
Republic Oil Refining Co.	Texas City	S-C	45,000	10,000	-	12,600	-	-
Shell Oil Co.	Deer Park (Houston)	S-C-A-L	128,000	-	-	36,400	10,600	-
Sid Richardson Refining Co.	Texas City	S-C	-	20,000	-	-	5,500	-
Sinclair Refining Co.	Corpus Christi	S-C	29,000	-	-	16,550	-	-
Do.	Houston	S-C-L	138,000	-	-	67,400	-	-
Southwestern Oil & Refining Co.	Corpus Christi	S-C-A	50,000	-	-	15,500	-	-
Suntide Refining Co.	Do.	S-C	55,000	-	-	10,100	-	-
Texaco, Inc.	Port Arthur	S-C-L-K	260,000	-	-	135,000	14,300	-
Do.	Port Neches	S-A	40,000	-	-	-	-	-
Texas Asphalt & Refining Co.	Pasadena	S-A	-	5,000	-	-	-	-
Texas City Refining, Inc.	Texas City	S-C	35,000	-	-	12,975	-	-
Texas Gas Corp.	Winnie	S-C	7,500	-	-	3,000	-	-
Total			2,545,620	86,200	1,000	964,185	66,750	17,000

See footnotes at end of table.

TABLE 7. - Capacity of petroleum refineries and cracking plants in the United States, January 1, 1960 - Continued
(Barrels per day)

13

Company	Location	Type of plant ¹	Crude-oil capacity			Cracked- and reformed-gasoline capacity		
			Operating	Shutdown	Building ²	Operating	Shutdown	Building ²
UTAH								
Petroflex Corp. (Formerly Sure-Seal Corp.) ⁶	Woods Cross.....	S	600	-	-	-	-	-
Phillips Petroleum Co.....	do.....	S-C-A	13,500	-	-	6,700	-	-
Salt Lake Refining Co.....	Salt Lake City.....	S-C	43,000	-	-	6,400	-	-
Utah Oil Refining Co.....	do.....	S-C-A	35,000	-	-	13,477	-	-
Western States Refining Co.....	North Salt Lake.....	S-C	5,500	-	-	1,600	-	-
Total.....	.....	.....	97,600	-	-	26,177	-	-
VIRGINIA								
American Oil Co.....	Goodwin Neck.....	S-C-K	34,000	-	-	17,300	-	-
WASHINGTON ³								
Mobil Oil Co., Inc.....	Ferndale.....	S-C	35,000	-	-	15,100	4,900	-
Shell Oil Co.....	Anacortes.....	S-C	55,000	-	-	19,000	-	-
Texaco, Inc.....	dc.....	S-C	45,000	-	-	16,300	-	-
Union Oil Company of California.....	Edmonds.....	S-A	4,000	-	-	-	-	-
U. S. Oil & Refining Co.....	Tacoma.....	S-C-A	8,000	-	4,500	2,500	1,000	600
Total.....	.....	.....	147,000	-	4,500	53,700	5,900	600
WEST VIRGINIA								
Elk Refining Co.....	Falling Rock.....	S-C-L	4,500	-	-	2,700	-	-
Quaker State Oil Refining Corp.....	St. Marys.....	S-C-L	2,500	-	-	1,450	450	-
Total.....	.....	.....	7,000	-	-	4,150	450	-
WISCONSIN								
Empire Petroleum Co.....	Sheboygan.....	S-C-A	5,000	-	-	-	1,500	-
Lake Superior Refining Co.....	Superior.....	S-C-A	15,000	-	-	2,600	1,000	-
Total.....	.....	.....	20,000	-	-	2,600	2,500	-
WYOMING								
C & H Refinery ⁶	Lusk.....	S	75	75	-	-	-	-
Empire State Oil Co.....	Thermopolis.....	S	5,000	-	-	-	-	-
Frontier Refining Co.....	Cheyenne.....	S-C-A	20,500	-	-	6,500	-	-
Hasky Hi-Power, Inc.....	Cody.....	S-C-A	5,500	1,000	2,000	1,000	-	2,500
Mobil Oil Co.....	Casper.....	S-C-A	12,500	-	-	5,600	-	-
Sinclair Refining Co.....	Sinclair.....	S-C-A	24,000	-	-	3,700	-	-
Sinclair Oil Co.....	Newcastle.....	S-C	6,000	-	-	2,500	-	-
Standard Oil Co. (Indiana).....	Casper.....	S-C-A-K-L	17,000	-	-	7,500	-	-
Texaco, Inc.....	do.....	.....	17,000	-	-	7,900	-	-
Total.....	.....	.....	107,575	1,075	2,000	40,400	-	2,500
UNITED STATES total.....	.....	.....	9,543,329	356,095	70,747	3,435,030	260,701	65,700

Note: The statistics in the Bureau of Mines Monthly Petroleum Statements cover the refining operations of the plants listed in this Table in addition to the operations of the following plants which do not process crude oil:

Company	Location	Type of plant
American Bitumuls & Asphalt Co.	Richmond Beach, Wash.	Asphalt processing.
Atlas Processing Co.	Shreveport, La.	Reforming.
Cit-Con Oil Corp.	Lake Charles, La.	Lube.
Petrolite Corp. (Bareco Wax Co. Div.)	Barnsdale, Okla.	Microcrystalline wax.
Do.	Kilgore, Tex.	Do.
Texas Butadiene & Chemical Co.	Channelview, Tex.	Alkylation.

¹Type of plant is as follows: S - Skimming, C - Cracking and/or reforming, A - Asphalt, K - Coking, and L - Lube.

²Represents capacity under construction on January 1, 1960, which will add to existing capacity.

³Data for California, Hawaii, Oregon, and Washington prepared by Frank A. Moore, Division of Mineral Industries, Region II, San Francisco, Calif.

⁴Includes 3,000 barrels daily considered inoperable.

⁵Equipment considered inoperable without extensive reconditioning.

⁶January 1, 1959 capacity.

⁷Includes 1,000 barrels daily considered inoperable.

⁸Includes 3,000 barrels daily considered inoperable.

⁹Includes 500 barrels daily considered inoperable.

¹⁰Includes 600 barrels daily considered inoperable.

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